



Student Learning Outcomes Plan

Critical Thinking - Fall 2016

Page 1: Welcome

Q1

First, please tell us a little about yourself:

Your name:

Rick Huston

The name of your program

Welding

Q2

Yes, our program is externally accredited.

Is your program externally accredited?

Page 2: Plan to improve student outcomes - part 1 (R/U)

Q3

Please list here the associated course number of your chosen SLO as they appear in the MCO or SLO Matrix. This first one should be emphasized early in a student's program and center on students' ability to Remember/Understand (R/U) concepts/attitudes/skills. Students demonstrate critical thinking at this level by: Recognizing the need for both quantitative and qualitative information while formulating questions; identifying available technologies/analytical methods; discerning that accurate and complete information is the basis for effective decision making.

Course #

WELD 101

SLO

Safety Principles

Q4

How will you determine the extent to which student achievement has increased on this first SLO? (For example, "___% percent of my students need to score a minimum ___% on the lab practical)

100% of students score a minimum of 80% on all safety tests

Q5

What will you do differently this year to bring about the improvement you intend?

Allow for more class time

Q6

How will these results affect your teaching/program?

Show less safety violations and shop accidents

Page 3: Plan to improve student outcomes - part 2 (A/A)

Q7

Please list here the associated course number of your chosen SLO as they appear in the MCO or SLO Matrix. This second one should be emphasized mid-way through a student's program and center on students' ability to Analyze/Apply (A/A) concepts/attitudes/skills. Students demonstrate critical thinking at this level by: Demonstrating skill gathering information from and within a certain field; analyzing, interpreting and synthesizing information, strategies, resources, evidence, and/or assumptions.

Course #

Weld 204

SLO

Welding certification SMAW

Q8

How will you determine the extent to which student achievement has increased on this second SLO? (For example, "___% percent of my students need to score a minimum ___% on the lab practical)

100% of students will produce a minimum of 75% visually acceptable plates Per D1.1 on lab practical

Q9

What will you do differently this year to bring about the improvement you intend?

Look at adjusting curriculum to give more practice time

Q10

How will these results affect your teaching/program?

More students will achieve field certification

Page 4: Plan to improve student outcomes - part 3 (C/E)

Q11

Please list here the associated course number of your chosen SLO as they appear in the MCO or SLO Matrix. This third one should be emphasized late in a student's program and center on students' ability to Create/Evaluate (C/E) concepts/attitudes/skills. Students demonstrate critical thinking at this level by: Evaluating and testing solutions on the basis of origin, viewpoint, currency, relevance, completeness, validity and appropriateness; using creativity to generate diverse possible solutions and articulating reasoned solutions to others.

Course #

WELD 207

SLO #

Welding certification FCAW

Q12

How will you determine the extent to which student achievement has increased on this third SLO? (For example, "___% percent of my students need to score a minimum ___% on the lab practical)

100% of students will produce a minimum of 75% visually acceptable plates Per D1.1 on lab practical

Q13

What will you do differently this year to bring about the improvement you intend?

Look at adjusting curriculum to give more practice time

Q14

How will these results affect your teaching/program?

More students will achieve field certification
